(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 23 June 2005 (23.06.2005)

PCT

(10) International Publication Number WO 2005/057956 A1

(51) International Patent Classification⁷:

H04Q 7/20

(21) International Application Number:

PCT/US2004/014854

(22) International Filing Date: 12 May 2004 (12.05.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/519,595 13 November 2003 (13.11.2003) U

- (71) Applicant (for all designated States except US): THOM-SON LICENSING S.A. [FR/FR]; 46 Quai A. Le Gallo, F-92100 Boulogne-Billancourt (FR).
- (72) Inventors: and
- (75) Inventors/Applicants (for US only): MOHAN, Chandra [IN/US]; 12970 Fleetwood Drive N., Carmel, IN 46032 (US). MAJUMDAR, Jayanta [IN/US]; 5901 Sandalwood Drive, Carmel, IN 46033 (US).
- (74) Agents: TRIPOLI, Joseph, S. et al.; c/o Thomson Licensing Inc., Two Independence Way, Suite 200, Princeton, NJ 08540 (US).

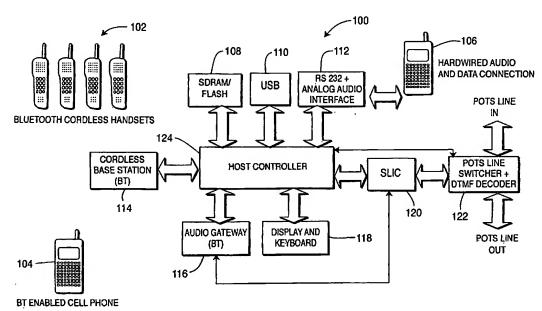
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report

[Continued on next page]

(54) Title: INTEGRATED CELLULAR/PCS-POTS COMMUNICATION SYSTEM



(57) Abstract: There is provided a system for integrating at least one residential Plain Old Telephone System (POTS) phone to a cellular phone network. A Subscriber Line Interface Circuit (SLIC 120) interfaces audio from the cellular phone network to the at least one residential POTS phone. A line switcher (122), connected to the SLIC, connects the at least one residential POTS phone to any one of a POTS line or a cellular line. An audio gateway (116), connected to the SLIC, wirelessly receives the audio from a cellular phone connected to the cellular phone network for subsequent transmission to the at least one residential phone and wirelessly transmits the audio from the POTS line to the cellular phone.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.